

FIG. 1

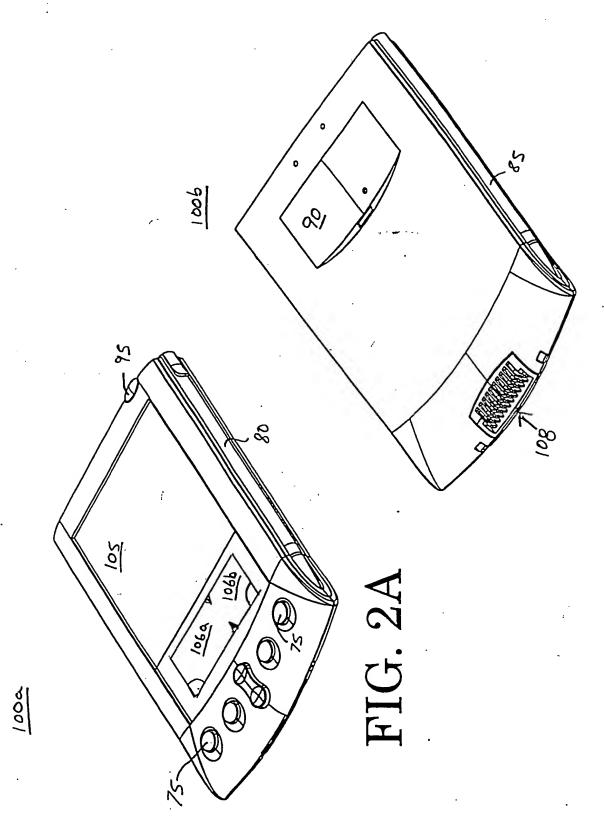
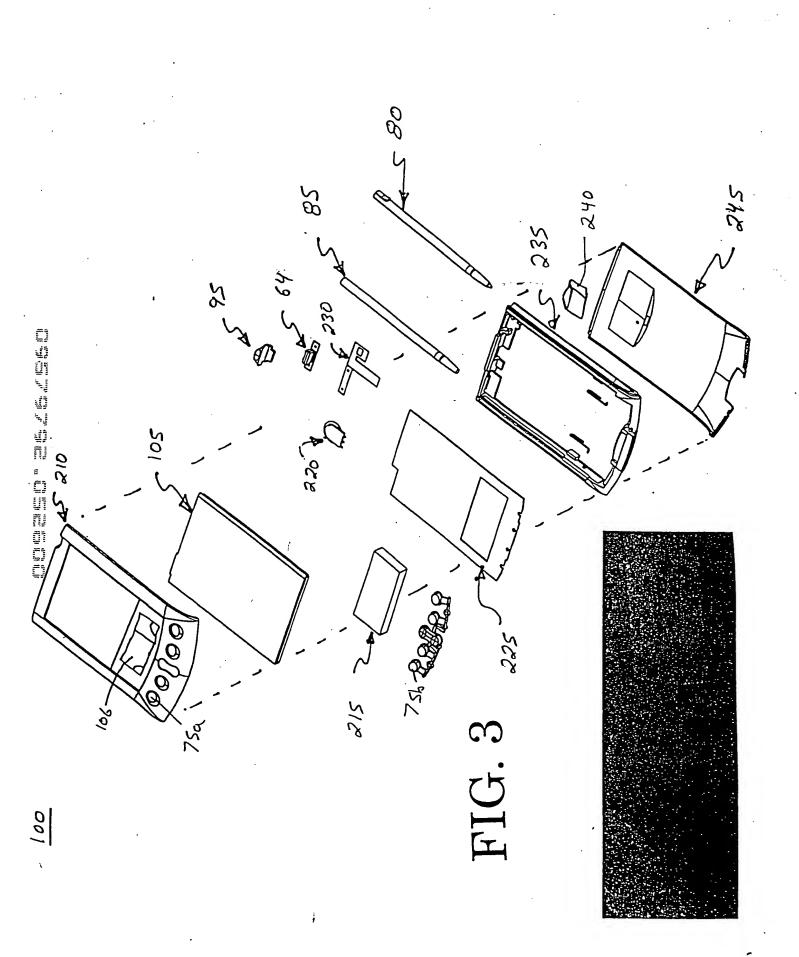


FIG. 2B



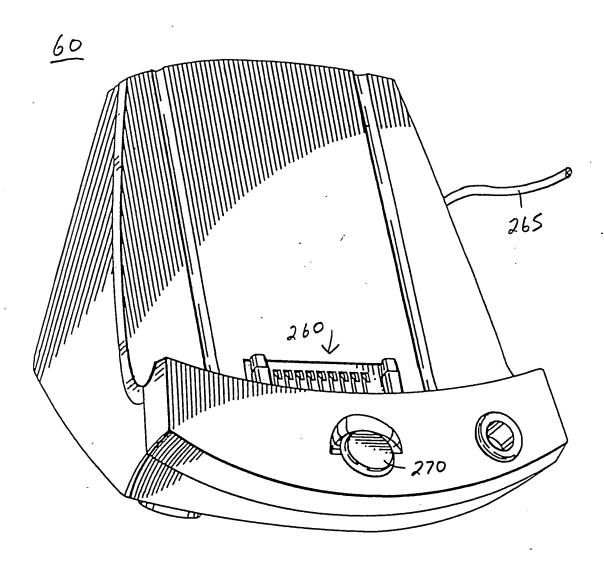


FIG. 4

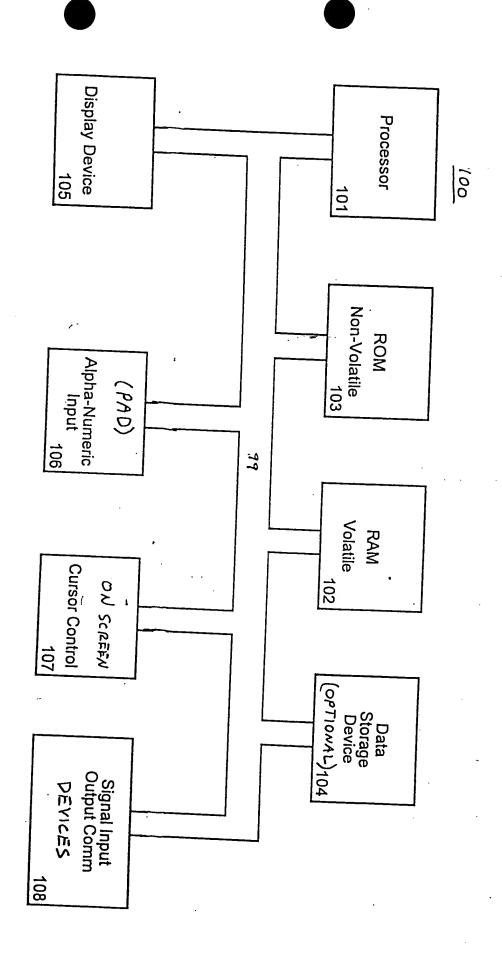


FIG. 5

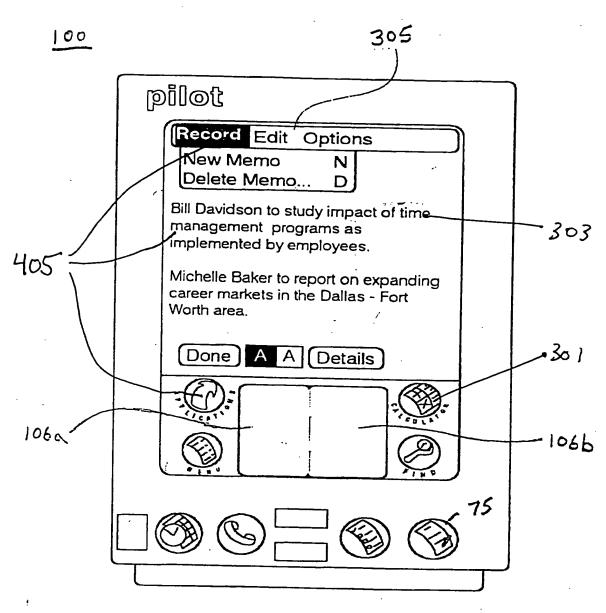


FIG. 6

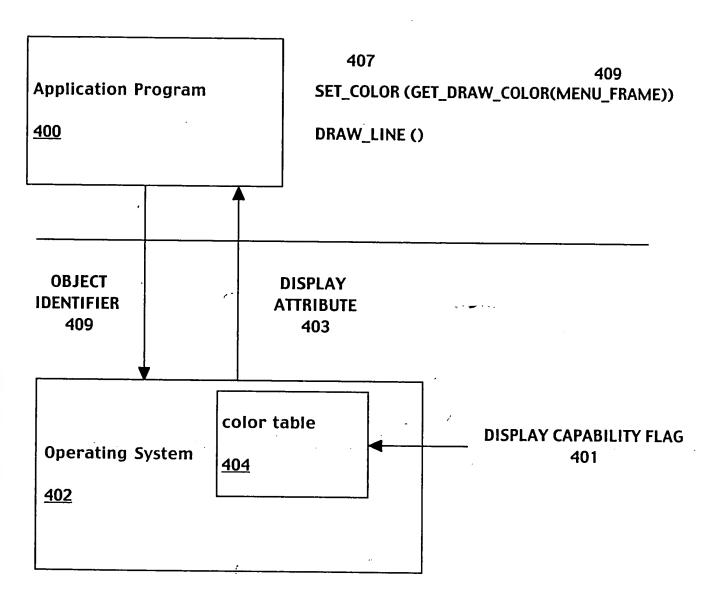


FIGURE 7

color table 404

display attribute lists 450

object	1 bit or	2 bit gray-	4 bit gray-	8 bit color
identifier list	monochrome	scale display	scale display	display
<u>406</u>	display	attribute list	attribute list	attribute list
	attribute list	422	424	<u>426</u>
	<u>420</u>			
Button Border	black	gray level 4	gray level 16	green
<u>408</u>				
Menu Frame	black	gray level 1	gray level 1	red
410				
Menu Fill 412	white	gray level 2	gray level 5	yellow
Menu	black	gray level 3	gray level 11	blue
Foreground				
<u>414</u>				

FIGURE 8A

UIObjectFrame, UIObjectFill, UIObjectForeground, UIObjectSelectedFill, UIObjectSelectedForeground, 409 → UIMenuFrame, → UIMenuFill, UIMenuForeground, UIMenuSelectedFill, UIMenuSelectedForeground, UIFieldBackground, UIFieldText, UIFieldTextLines, UIFieldCaret, UIFieldTextHighlightBackground, UIFieldTextHighlightForeground, UIFieldFepRawText, UIFieldFepRawBackground, UIFieldFepConvertedText, UIFieldFepConvertedBackground, UIFieldFepUnderline, UIFormFrame, UIFormFill,

> UIDialogFrame, UIDialogFill,

UIAlertFrame, UIAlertFill,

UIOK, UICaution, UIWarning,

4067

Figure 8B

color table 404

display attribute lists 450

object	1 bit or	2 bit gray-	4 bit gray-	8 bit color	dobus
identifier list					debug
	monochrome	scale	scale	display	display
<u>406</u>	display	display	display	attribute list	attribute list
	attribute list	attribute list	attribute list	<u>426</u>	<u>428</u>
	420	<u>422</u>	<u>424</u>		
Button	black	gray level 4	gray level	green	red
Border <u>408</u>			16	!	
Menu	black	gray level 1	gray level 1	red	green
Frame <u>410</u>					
Menu Fill	white	gray level 2	gray level 5	yellow	purple
<u>412</u>			. /		
Menu	black	gray level 3	gray level	deep red	yellow
Foreground			11		
414					

FIGURE 9

START

DISPLAY CAPABILITY OF PORTABLE COMPUTER
SYSTEM IS STORED IN PORTABLE COMPUTER SYSTEM,
E.G., AS A FLAG 1002

APPLICATION PROGRAM PERFORMS A CALL TO OPERATING SYSTEM REQUESTING A DISPLAY ATTRIBUTE FOR AN OBJECT TO BE DISPLAYED ON COMPUTER SYSTEM'S DISPLAY SCREEN 1004

OPERATING SYSTEM, IN RESPONSE TO THE CALL, INDEXES A COLOR TABLE BASED ON (1) THE DISPLAY CAPABILITY FLAG, AND (2) AN IDENTIFIER OF THE OBJECT TO BE DISPLAYED 1006

COLOR TABLE THEN RETURNS A DISPLAY ATRIBUTE FOR THE OBJECT, THIS DISPLAY ATTRIBUTE IS RETURNED TO THE APPLICATION PROGRAM 1008

APPLICATION PROGRAM INSTRUCTS THAT THE DISPLAY
OBJECT BE DISPLAYED WITH THE RETURNED DISPLAY
ATTRIBUTE, THEREBY DISPLAYING THE OBJECT ON THE
DISPLAY SCREEN; THE DISPLAY CAPABILITY OF THE
DISPLAY SCREEN REMAINS TRANSPARENT TO THE
APPLICATION PROGRAM 1010

THE RETURNED DISPLAY ATTRIBUTE REMAINS AS THE DEFAULT ATTRIBUTE FOR OTHER OBJECTS DISPLAYED UNTIL ANOTHER CALL IS MADE TO THE COLOR TABLE 1012

RETURN

FIGURE 10

START

APPLICATION PROGRAM SETS A DISPLAY CAPABILITY FLAG TO DEBUG MODE 1102

APPLICATION PROGRAM PERFORMS A CALL TO OPERATING SYSTEM REQUESTING A DISPLAY ATTRIBUTE FOR AN OBJECT TO BE DISPLAYED ON COMPUTER SYSTEM'S DISPLAY SCREEN 1104

OPERATING SYSTEM, IN RESPONSE TO THE CALL, INDEXES A COLOR TABLE BASED ON (1) THE DISPLAY CAPABILITY FLAG, AND (2) AN IDENTIFIER OF THE OBJECT TO BE DISPLAYED 1106

COLOR TABLE THEN RETURNS A DISPLAY ATRIBUTE FOR THE OBJECT, THIS DISPLAY ATTRIBUTE IS RETURNED TO THE APPLICATION PROGRAM 1108

APPLICATION PROGRAM INSTRUCTS THAT THE DISPLAY OBJECT BE DISPLAYED WITH THE RETURNED DISPLAY ATTRIBUTE, THEREBY DISPLAYING THE OBJECT ON THE DISPLAY SCREEN 1110

THE RETURNED DISPLAY ATTRIBUTE REMAINS AS THE DEFAULT ATTRIBUTE FOR OTHER OBJECTS DISPLAYED UNTIL ANOTHER CALL IS MADE TO THE COLOR TABLE 1112

RETURN

FIGURE 11

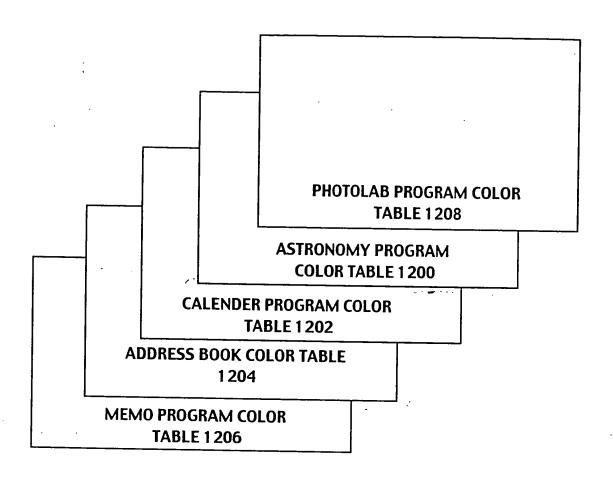


FIGURE 12